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# The Tech

OFFICIAL NEWSPAPER OF THE UNDERGRADUATES OF MASSACHUSETTS INSTITUTE OF TECHNOLOGY

MASS. INST. OF TECHNOLOGY  
NOV 10 1953  
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VOL. LXXIII. NO. 39.

CAMBRIDGE, MASSACHUSETTS, FRIDAY, NOVEMBER 6, 1953

5 CENTS

## Planning Committee Formed For Dedication Of Buildings Slated For 1955 Completion

President James R. Killian, Jr. has appointed a committee to plan the dedication of the new Kresge auditorium and chapel. The group, which met for the first time on Tuesday, consists of the following: Dean E. Francis Bowditch; Dean William E. Speer; Dean Frederick G. Fassett, who will handle publications on the event; Secretary of the Institute Walter H. Gale, in charge of finances; Professor William C. Greene, coordinating the dramatic groups; Professor Klaus Liepmann, representing the musical groups; Professor Herbert L. Beckwith, in charge of exhibits and displays; Mr. D. P. Severance, who will be the liaison with the Alumni; Professor Robert M. Fano; Professor Laurens Troost; Burton House Faculty Resident; and two students selected by Dean Bowditch-Seabury C. McGown '55, Director of Religious Action for T.C.A., and David L. Vogel '54.

At its first gathering, the committee decided to dedicate the chapel and auditorium at the same time. Dr. Killian has requested that the dedication should demonstrate the use of the new complex of buildings with the maximum of student participation. Since this desire could not be fulfilled effectively in a single day's ceremonies, the group tentatively decided to hold a week or ten-day Dedication Festival. This would give ample opportunity for the dramatic, religious and musical suitabilities of the buildings to be adequately displayed. The members of the committee have been asked to seek out the best possible ideas for an unusual dedication without regard to consideration of expense.

pense. Then the committee as a whole will select those best suited for use in the affair.

The auditorium will be completed late in 1954 and the chapel will be finished early the next year. The dedication will be held during the school year, probably in the Spring of 1955. The better parts of the festival may be performed again at Commencement for the benefit of parents and alumni.

## Tech Soccermen Trip Brown, 2-1; Morales Scores

Playing what should have been its easiest game to date, the soccer team just eked out a 2-1 victory over Brown Tuesday, on Briggs Field.

Brown could not get an attack going and the ball hardly entered Tech's half of the field during the first quarter. In the second period, playing with the strong wind, Brown was able to get the ball in front of the Tech goal, where Chu, a wing, scored their only goal.

**Morales, Suarez Score**  
Tech tied the score when Marcus Suarez, '55, headed the ball in on a corner kick by Comporato. In the last period, with the score still tied, El Guazable centered the ball in front of the Brown goal where Blaschits headed it off the top of the goal. Rafael Morales was there to get the rebound, and neatly headed the ball into the goal for the winning tally.

Brown's small (13 men) squad showed little class, but was able to stay in the game by outthrusting their opponents. The Freshmen lost 3-1 to the Brown Frosh.

The next game, the final one of the season, will be played on Briggs Field this Saturday afternoon at 2 o'clock, against Worcester Tech.

## Smithsonian Secretary To Lecture This Month About Modern Society

Dr. Leonard Carmichael, Secretary of the Smithsonian Institution and former president of Tufts College, will deliver the seventh Arthur Dehon Little Memorial Lecture at the Institute on November 17.

He will speak on "Psychology, the Machine, and Society" in Morriss Hall.



Dr. Leonard Carmichael  
of Walker Memorial at 8:30 p.m. The lecture will be open to the public.

The Arthur Dehon Little Memorial Lectureship was established at M.I.T. in 1944 with funds donated by Arthur D. Little, Inc., in memory of its founder. Its broad purpose is to promote interest in and stimulate discussion of the social implications inherent in the development of science.

Dr. James R. Killian, Jr., President of the Institute, said in announcing the lecture by Dr. Carmichael: "It is the purpose of the lectureship to secure the record of the deepest thoughts and convictions of our lecturers, based on many years of experience in their contacts with science, society, government, economics, and the humanities. It is appropriate that this should be, because of the extraordinary breadth of vision of Dr. Carmichael."

(Continued on page 6)

## Dormitory Committee Leadership Meeting Will Open Tomorrow

Student dormitory representatives and members of the faculty and administration will meet tomorrow and Sunday in a conference sponsored by Dormitory Committee. The purpose of the conference is to exchange ideas about student responsibilities and the qualities necessary for leadership with a view towards improving dormitory environment.

Keynoting the conference will be a speech by Vice Admiral

## National Science Foundation Plans 1954 Fellowships

The National Science Foundation has announced a program of graduate fellowship awards in the sciences for the academic year 1954-1955. The National Academy of Sciences - National Research Council is cooperating in this program by receiving applications, evaluating them through its fellowship boards, and nominating candidates to the National Science Foundation.

This program, intended as a means of promoting the progress of science, is planned to include about 750 awards to graduate and post-doctoral students planning to study in the mathematical, physical, medical, biological, and engineering sciences. Awards will not be made to students studying for the M.D. degree, but students who plan advanced medical study for a career in research are eligible.

**Only Citizens Eligible**  
Awards will be made to citizens of the United States solely on the basis of ability. All candidates for graduate fellowships will be required to take an examination, designed to test scientific aptitude and achievement, on January 30, 1954. Panels of scientists chosen by the National Academy of Sciences will evaluate each candidate's qualifications, and the National Science Foundation will make the final selections. Graduate awards will be announced next March 15, post-doctoral awards on April 1.

Graduate awards are divided into First-year, Intermediate, and Terminal-year Fellowships, with stipends of \$1400, \$1600, and \$1800 per annum respectively, while the Postdoctoral Fellowships will carry stipends of \$3400 per annum. Married Fellows will receive a dependency allowance of \$350 per dependent. Both of these amounts will be reduced by one-quarter if the Fellow elects to study for an academic year instead of twelve months. The National Science Foundation will pay tuition and certain fees. During the period of tenure of a Fellowship, a Fellow may not receive aid from any similar grant, and any

(Continued on page 3)

## Dorm Committee Approves Budget For Fiscal Year

Dormitory Committee Budget for the fiscal year 1953 to 1954 was approved by the committee at its meeting on Monday.

As its sole source of revenue, the Committee deducts five dollars from the house bill of each of the 1536 men in Institute Dormitories. This amounts to an anticipated revenue of \$7680 for the fiscal year.

Of this amount, \$3456 will be distributed to the various house committees.

(Continued on page 3)

John L. McCrea, vice president of the John Hancock Mutual Life Insurance Company, at 11:00 a.m., Saturday morning in the library lounge. All interested students are invited to attend this talk. The scene of the conference will then shift to Tech House in Buzzards Bay, where those invited to the conclave will participate in a discussion of the responsibilities of leaders and leadership qualities. The discussion leaders are scheduled to be Lennard Wharton '55 and Dr. Dana Farnsworth, Medical Director. In the evening the topic for discussion will be "Student Responsibilities."

Two separate panel discussions are scheduled for Sunday morning. One will have as its topic judicial procedure. Such things as damages to the dormitories, hazing, Open House rules, and "riots" will come under consideration. Parliamentary Procedure is the topic of the other panel discussion. Under the leadership of Dean Jacoby '54, the group will consider various techniques of effective group discussion. The whole conference is then to discuss the topic of "Communications." Frederick G. Fassett, Associate Dean of Students and Gerald Perloff '55, will be discussion leaders.

The conference will end Sunday afternoon with a discussion of dormitory environment which is to include all subjects pertinent to dormitory life. Dr. James R. Killian, Jr., president of the Institute, is scheduled to address the group at this time.

The people invited to the conference include the members of all Dormitory House Committees, Dormitory Committee itself and Deans Fassett and Spear, Dr. Farnsworth, Mr. Robert Kimball, director of Business Administration, and the superintendents of Baker House, Burton House, and East Campus.

## Beaver Runners Win Over B. C.; Freshmen Lose

The Beaver varsity harriers whipped Boston College handily, trimming the Eagles by an 18-45 score, on Tuesday, November 3, at Franklin Park.

Boston College entered only five men in the meet, and the competitive spirit of the meet collapsed as four of these men dropped almost immediately to the last places. As a result Tech swept all but one of the first nine places, with Captain John Farquhar '54 winning the race in 18:59. Placing behind him were Ray Smith '56, Jack Easton of Boston College, and Larry Berman '55, Hugh Nutley '54, Dave Palamountain '56, and Sture Bengston '55, of Tech.

**Tech Frosh Lose**

The Engineer Frosh were nosed out of a victory by the Brown cubs on the Brown cross-country course last Thursday afternoon, in a meet twice postponed. The main factor in the Tech loss was the unfamiliarity of the frosh with the course. In spite of this, Beaver captain Dave Vaughan '57, placed second in the race.

## Ten Win Tickets To "Old Howard" In Recent Lottery

Last Wednesday *Technique* held a drawing for tickets to a performance at the Old Howard. Every one who had purchased an option on the 1954 *Technique* was eligible to participate.

The winners, who will receive tickets to the performance of November 20, are: James A. Dugelby '56, James Cunningham '57, Arnold Tubis '54, Kenneth L. Harrison '57, Stephen J. Lirot '54, Kenneth E. Ralston '54, David Sternlight '54, David M. Scott '55, Joseph P. Pressner '54, and John D. Griffiths '54.

## Dance In Baker Commemorates Life Of Titanic

The Nautical Association Semiformal dance will be held tonight in Baker House. The dance will commemorate the social life of the ill-fated S. S. Titanic. Tickets to the dance will be in the form of steamship passage tickets, and the hall will be decorated to resemble the main saloon of the Titanic.

Price of passage is \$2.50 per couple. Reserved tables will be assigned according to ticket numbers. Unlimited drinks at the "ship's bar" are included in the price of the ticket. The ship's orchestra will be conducted by George Graham, and special entertainment is planned for the intermission at "mid-crossing."

The Titanic is scheduled to sail at 9:00 p.m. and to sink at 1:00 a.m.

## Continental Defense Topic Of Atlantic Monthly Story

President James R. Killian, Jr. and Professor Albert G. Hill, Director of Lincoln Laboratory, have pointed out to the public, in an article entitled "For a Continental Defense" appearing in the November *Atlantic Monthly*, some important facts about our defense against possible enemy air attack. They hold that our present defenses against atomic attack are inadequate to prevent a crippling blow if an attack should be launched in the near future. The article outlines the requirements of the defense system that must be developed if we are to have any security against sudden atomic destruction.

It is said in this article that one hundred atomic bombs dropped on selected targets in this country could kill or injure millions of people. America might not survive this kind of attack, even though we were able to destroy our enemy in retaliation. A surprise attack on the United States within a year would find us able to destroy only a small percentage of the attacking aircraft. This sort of defense is not sufficient to ensure the continuity of our government or the maintenance of our essential industry. It is unlikely now that the Soviets can launch a fatal attack, but it is nearly certain that they will be able to do so within a few years, unless our defenses are very much improved.

**Must Act Responsibly**

President Killian and Professor Hill maintain that the American people should know these possibilities. They must act responsibly, and to act responsibly, they need the facts. Understandably, security considerations limit the available facts, and those that are available are often distorted. This article attempts to set some of

the facts straight.

Defense is only part of the responsibility of our military, of which other tasks are control of the seas, capability of counter attack in kind, sharing the defense of Western Europe, and control of such outbreaks as the Korean crisis.

A perfect defense is not possible. No one working on the problem of air defense can promise perfect security from air attack.

Nevertheless, our defenses can be improved tremendously, if research and development facilities are concentrated on this problem. The exact figures describing the effectiveness of possible defense systems are secret.

**Development Hindered**  
Development of an air defense system has been hindered by the false issue of the alleged inevitable conflict

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# The Tech

VOL. LXXIII

Friday, November 6, 1953

NO. 39

## MANAGING BOARD

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 Editor ..... Sheldon L. Dick, '54  
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 Business Manager ..... Martin B. Mills, '54

## Editorials

### A JUDICIAL SYSTEM UNDER FIRE

Events of the past few weeks have brought much needed attention upon the operation of the student government judicial system. An evaluation of policies and principles is now very much in order. Of major interest to most students is the apparently new policy of greater publicity, and announcement of Judicial Committee's decisions. This policy, if followed, is one which *The Tech* applauds.

The program of maintaining all-too-secret meetings and deliberations, and withholding from public attention the decisions reached by Judcomm has been justly questioned. For to enable a small group of people who (with the approval of the Faculty Committee on Discipline) are endowed with the power to deny a student dormitory status or even the very right to continue to attend the Institute, without requesting that group to make available the facts upon which its decisions are reached is, to our way of thinking, far from democratic. An interested student body should expect no less than access to such information. It is indeed surprising that any other system of law enforcement at the Institute has been tolerated this long.

Such a policy does not exclude the right of the judicial committees to hold "executive" or closed sessions in order to examine information, the disclosure of which at the time may bring undue harm and publicity to the innocent. If and when a decision will be reached, however, the facts must be presented to the public in an open session.

It has been argued that the punishment meted out by the Judicial Committee is sufficient penalty for a rule violator and should therefore not be published. We honestly fail to see how the announcement of his actions can logically be classified as further "punishment." If he does not choose to see his name in print then let him refrain from such actions which will result in adverse publicity. The college student is far past the stage where he must be coddled and constantly sheltered. It is the responsibility of the student body to act as a "check and balance" upon the actions of its courts. This is the only conceivable method.

### AND IN SPECIFIC . . .

The Inscomm Judicial Committee this week has unfortunately arbitrarily chosen to withhold information on the case of hazing involving student government members. At its meeting Monday it excluded representatives from both *The Tech* and the WMIT News Department even though the witnesses requested that the meeting be kept open. Its reasons for such action are difficult to understand. Perhaps there is some other body which has its finger in the pie. Nevertheless the whole situation has been viewed with much more flailing of arms than any other case this year. A question of motives is involved and the committee enters an extremely difficult field when it attempts to determine an individual's motivations. We hope that Judicial Committee will not attempt to build mountains or let righteous indignation carry them away. If the alleged implications and intimidations of Student Government members do exist, then the case should rightly be "viewed with alarm." Until proven so, however, this case ought to be considered as any other.

### . . . AND THE WORLD WILL BEAT A PATH

If there is any one thing at the Institute that is as sure a thing as "death and taxes", it is undoubtedly the periodic seeding of Technology's campus greens. The coming of spring is no longer proclaimed by the appearance of the year's first robin or by the first signs of foliage on the stately poplars, sycamores and oaks. (Or are only elms "stately"?). No, the advent of spring is officially promulgated by the Institute which faithfully sends forth each year its groundkeepers on a mission to "keep our campus green". The work of these landscapers is apparently never done. It was only several weeks ago that we noticed these men from Buildings and Power still at it—working diligently on the soon-hoped-to-be lawn behind Building 16.

Now the grass is one of the few vulnerable items at the Institute on which the students have successfully trod. It stands in ample evidence of the fact that consistency and determination have been successful in beating a path to the Institute's door.

What interests us, however, is that the collective entity which goes by the name of "Tech man" is known far and wide for his relentless search for new paths to knowledge and science. What is more, is that he is famous not only for his search but for the finding of such new ways. It would appear then, that he would prefer to blaze new trails and keep off the well-beaten routes.

But then again, the Institute is always putting grass where everyone else thinks a walk should be.

## Loenguth Quartet Of Paris To Play In 10-250, Sunday

In their tour through the United States, the Loenguth Quartet of Paris has agreed to stop to present a performance for the Institute community in Huntington Hall this Sunday.

The Quartet had its beginnings in 1929 at the Paris Conservatory where they used to practice together. They rose quickly to fame in France and in a short time established themselves as one of Europe's foremost ensembles.

In their first visit to the United States and other parts of America they were received with similar acclaim.

After the war had interrupted their concert tours, they started over again visiting Holland, Belgium, France, Spain, Switzerland, the British Isles and Western Germany in addition to the United States. The Edinburgh, Bordeaux and Bonn Festivals were also stopping places.

Their program at the Institute this Sunday at 3:00 p.m. will include the Mozart Quartet, K. 465, Beethoven's Opus 135 and Roussel Opus 45. In previous concerts they have introduced works by contemporary French composers such as Milhaud, Honegger, Roussel, Roger-Ducasse and Delannoy.

A limited number of free tickets will be available to the general public at the door on the day of the concert.

### CORRECTION

Admiral McCrea will address the Dormitory Conference in the Library Lounge at 11:00 a.m. this Saturday, not at 1:00 p.m. as reported in Tuesday's issue. All students are invited to this meeting.

## Auditorium And Chapel Designer In Local Display

Eero Saarinen, the architect for the new Institute auditorium and chapel, will be one of several designers who will be represented in a showroom for contemporary home furnishings, located just off Harvard Square at 57 Brattle Street.

The display will include furniture, fabrics, paintings and art objects collected from national and international resources.

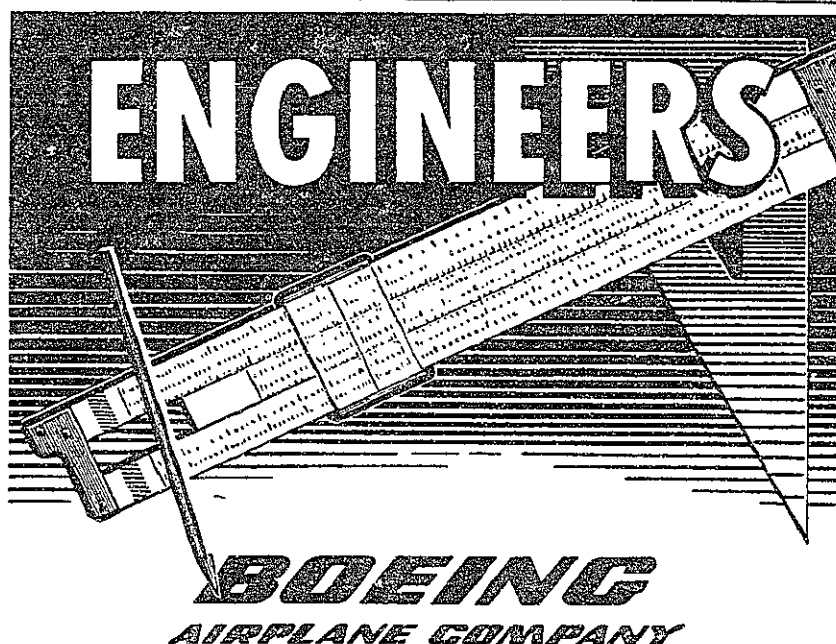
Serge Chermayeff, lectures in the Institute School of Architecture, also will be represented in the display.

## Comm Resolves Violators' Names Need No Publicity

The East Campus House Committee last Wednesday night passed a resolution requesting that the Institute Judicial Committee should no longer release the names of open-house rule violators, according to Samuel J. Losh, '54, East Campus House Chairman. The measure was passed by a roll-call vote of 11 to 3.

Many of those who voted for the resolution said that they felt that it is harmful to make public the names of violators because the ensuing publicity does no positive good. However, the opponents of the resolution pointed out that a reprimand is insufficient punishment, and that many people are genuinely interested in learning about violations of open-house rules. Opponents of the resolution maintained that knowledge of violations is largely dependent on the release of violators' names.

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will conduct  
**PERSONAL INTERVIEWS**  
 on campus

Boeing has many positions open for graduating and graduate students. These opportunities are in all branches of engineering (AE, CE, EE, ME and related fields). Also needed are physicists and mathematicians with advanced degrees.

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A group meeting, first day of campus visit, will precede personal interviews. Details of openings, nature of assignments, company projects, etc., will be explained. Married students are invited to bring their wives.

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For time and place of group meeting and for personal interview appointments—Consult your

### PLACEMENT OFFICE

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## after hours

By Anthony C. Turrissi, '56

**DANCES**  
**FRIDAY, NOVEMBER 6**  
 M.I.T.—Walker Memorial will be the scene of Chandler's acquaintance dance, from 8:00 to 12:00 p.m. Harold Doneghy's Orchestra will provide the music. So drop the books awhile and get acquainted with these future secretaries.  
 Simmons—"M.I.T. Dance" from 8 to 12 at Alumnae Hall. George Graham's orchestra supplies the passion music. Keep your eyes peeled for dates to M.I.T. dances in prospect.  
 Kathleen Dell Career School—Hampton Court will roof an informal stag dance and party at 8. Hampton Court is located on the corners of Beacon and St. Paul Streets. Refreshments.  
 Mass. General Hospital—Another in the series of Walcott Dances will be held from 8:00 to 12:00 p.m. by the senior class of student nurses. Refreshments are included in the 50c admission fee.  
 Boston Y.W.C.A.—Art Brickley's orchestra will be the musical purveyors at this student stag dance at 140 Clarendon St. Girls from Sargent, Simmons, Fisher, and other schools will be there. Dancing starts at 8:15, the charge will be 50c and the rest is up to you.

**FRIDAY, NOVEMBER 13**  
 Laszlo, Jr. college—All hep cats at M.I.T. will be interested in jazz concert and dance to be held at Winslow Hall, "Dave Janney's" Orchestra will drive the "cats" "crazy". Donation—50c. So go, man! go!  
 M.I.T.—Remember to reserve this night for the Nautical Association's semi-formal dance. The decorations and theme of the dance will revolve around the gay social life aboard the S.S. Titanic. Baker House will be the scene of the launching and George Graham's orchestra will provide the dancing incentive. Admission is \$2.50. Bon voyage!

**CONCERTS**  
**FRIDAY, NOVEMBER 6**  
 The glee clubs of Harvard and Princeton will give a concert at Sanders Theatre at 8:15. A varied program will conclude with college songs.

**SUNDAY, NOVEMBER 8**  
 The Loenguth String Quartet will harmonize in a free concert at Huntington Hall, 10:25, at 3 p.m. The program will include works of Beethoven, Mozart, and Roussel. It's good for a Sunday date.

**THEATRE**  
 "Misalliance"—This production of the Bernard Shaw's comedy, about an underwear tycoon, will continue playing the Colonial Theatre until November 14.

"John Murray Anderson's Admanac"—You can see this new musical revue at the Shubert Theatre. The cast includes the English comedienne, Hermione Gingold and Billy de Wolfe.

"Escapade"—This English comedy ends its run at the Plymouth Theatre on Saturday.

"Pirates of Penzance"—Performance of the Gilbert and Sullivan operetta will be given Friday and Saturday nights at the New England Mutual Hall.

Metropolitan Theatre—Julius LaRosa, the former protégé of the teag tycoon of TV, will make personal appearances through Sunday, November 8.

And naturally, there's "always something doing" at Boston's Cultural Society located in Scollay Square.

Mary Mack is featured as Flash O'Farrell at the Old Howard.

## Placement News

Date	Company	Notice No.
NOV.		3351
16	Carbide and Carbon Chemicals Co.	
16-17	Esso Standard Oil Company	
16	The Johns Hopkins University	
16	Pennsylvania Salt Manufacturing Co.	
16	Rome Air Development Center	
16	Standard Oil Company of Indiana	
17	Mathieson Chemical Corporation	
17-19	Douglas Aircraft Company	
17-18	General Electric Company	
17-18	Lockheed Aircraft Corporation	
17-18	Radio Corporation of America	
17	U. S. Naval Underwater Ordnance Station	
17	Navy Central Tornado Office	
17	Navy Bureau of Ordnance	
18	Bendix Aviation Corporation	
18	E. I. DuPont de Nemours & Co.	
18	The Goodyear Tire & Rubber Company	
18	Goodyear Aircraft Corporation	
18	Goodyear Atomic Corporation	
19	Continental Can Company, Inc.	
19	Hawlett Electronics Corporation	
19	Federal Telephone and Radio Company	
19	The Budd Company	
20	The Pennsylvania State College	
	National Security Agency	



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## Senior Makes Quick Getaway After Berating British Queen

by Benjamin Hayeem, '54

London was delightfully frigid. In fact, Boston has nothing over this huge imposing monument of British culture. Everything was just so. From the bowler hats, black striped suits, walking sticks and starched shirts, to the green, plush seats on the "tube" (translated — subway); they all reeked with dignity and tradition. I tried arguing with a Londoner regarding the usefulness of the Queen. I pointed out the drain on the pockets of each taxpayer who paid for the upkeep of the jolly old gal's household including the family cat. "An obvious necessity; couldn't live without her Majesty," I was told much to my bewilderment. Like having a faculty resident in the dorms, I thought, who depended on student generosity for his meals.

### Ten Days Left

While wandering through the shipping offices of London a calendar caught my eye informing me that I had only ten days left to get back to my Alma Mater. It was then that I decided to retrace my steps in the interests of science and not keep my instructors waiting for my roll-cards. It was a shot in the dark that caused me to choose Rotterdam as my spring-board.

On September 11, I began my search for a vessel. The only ship that was leaving Rotterdam for New York that week was the "Black Heron." But, on approaching the captain I met with typical salty stubbornness. There was already another American student working on board. The refusal slapped me in the face leaving me in a quandary. If I were not on board that ship I would be late. I set my plans accordingly.

### Boards Ship

At ten thirty that night I boarded the "Black Heron" dressed much the same as any seaman. Standing on deck was a lanky fellow with beret, shorts and socks held up with fashionable garters.

"Say," I asked in American, "Do you know if there is an American student on board?"

"Sure, that's me," he replied, pleased at finding a cohort.

"Well I'm an M.I.T. man," I announced. He swallowed hard and blurted, "I'm Yale." But that didn't stand in my way. "Never mind," I comforted him, "I'll buy you a beer if you come outside with me." He hesitated, then seeing my harmless appearance (5 ft. 3 in.) accepted the offer.

"Look," I said over the bottles he had drunk at my expense, "I'm trying to get back to Boston on your ship. Can you help me stow away?" He grinned sheepishly and then sat up. "What 'sat? stow away? I'll have no hand in that! They might make me talk the plank," he said in Ivy League

innocence. I bought him more beers and drowned his doubts.

"See," I tried again, "just tell me the layout of the ship, where the lifeboats are, and who's on watch tonight." He drew me a plan in the spilled beer, then asked me, "Are you doing this for a joke or for a bet?"

"M.I.T.'s no joke," I told him, "and for a bet — you've got to be crazy! Just one more thing. Can you take my suitcases aboard for me?"

"Look fellow," he protested, "I don't know whether you're serious or not — but I can't take any stuff for you. They'd get me!"

However, I forced my guitar on him and watched him lurch toward the ship. With my remaining money I bought a hot dog, two candy bars and a peppermint stick. A small handbag sufficed for my most important belongings. The rest I left with a sailor friend.

### Stowing Away

It was one o'clock when I crept on board the "Black Heron." Nobody stopped me; the captain was having a party (he was leaving his wife ashore) so I was able to creep past his cabin without much trouble. A passenger cabin attracted my attention. If it were empty, it would be ideal, because on freighters no one uses these cabins unless there happen to be some passengers. I turned the doorknob and entered.

It was dark, and I stopped to listen. The sound of human respiration came to my ears, and I froze with fear. Quickly I retraced my steps. As I stepped out of the door I heard sounds approaching from the Captain's cabin. I knew then what it was like to be a hunted criminal. At the end of the passage I sighted another door, and literally flew through it. Scarcely had I closed it when I saw the captain drunkenly leave his cabin. I was safe.

### Hides In Lifeboat

The door had led me just where I wanted to be: the boat deck. Wooden sections covered the lifeboat nearest me. Prying one section open I jumped into the boat. I knew I had been seen. The crane which was loading the ship had a powerful searchlight mounted on it, and glaring in my direction. I was sure the operator had seen me, because he was looking right at me. But I couldn't go back. I was in, and sliding the wooden cover back, I shut myself off from the light and the rest of the world.

### Science Fellowships

(Continued from page 1)

work he may do for the Institution at which he is studying is limited to non-remunerative work that advances his scientific training.

The closing date for applications is December 15, 1953, for postdoctoral fellowships, and January 4, 1954, for graduate fellowships.

## WMIT Schedule Of Classical Music

Sunday, Nov. 8

4:5-30 MUSIC OF THE 20th CENTURY  
Copland: Billy the Kid  
Piston: Incredible Flutist  
Bernstein: Fancy Free  
Gould: Cowboy Rhapsody  
6-8 MUSIC ROOM  
Arensky: Variations on a Tchaikovsky Theme  
Prokofiev: Alexander Nevsky Cantata  
Tchaikovsky: Serenade for Strings  
Stravinsky: Symphony of Psalms  
8-10 CONCERT HALL  
Respighi: Fountains of Rome  
Beethoven: Symphony 6 "Pastorale"  
Bartok: Roumanian Dances  
10-11 FEATURE CONCERT  
Menotti: The Consul  
Mozart: Idomeneo Ballet  
Menotti: Amahl & The Night Visitors  
1-2 LIGHT CLASSICAL

Monday, Nov. 9

8-9:30 CONCERT HALL  
Schumann: Symphony 3  
Gershwin: Concerto in F  
10-11:12 MUSIC IMMORTAL  
Mozart: Divertimento in E  
Lalo: Symphonie Espagnole  
Brahms: Quintet  
Tuesday, Nov. 10

8-10 CONCERT HALL  
Vaughn-Williams: Fantasia on Greensleeves  
Griffes: Poem for Flute and Orchestra  
Stravinsky: Firebird Suite  
10-11:12 MUSIC FOR MU-31  
Early Vocal Music  
Wednesday, Nov. 11

8-10 CONCERT HALL  
Record Previews  
10-11:12 MUSIC IMMORTAL  
Schubert: Symphony 8 "Unfinished"  
Chopin: Les Sylphides  
Kabalevsky: The Comedians  
Thursday, Nov. 12

8-10 CONCERT HALL  
Vivaldi: Pastorale 4  
Haydn: Symphony 28  
Beethoven: Creatures of Prometheus  
Stravinsky: Capriccio for piano and orchestra  
10-11:12 MUSIC IMMORTAL  
(Simmons Show)  
Chopin: Sonata in B flat  
Dvorak: American Quartet  
Mozart: Symphony 36 "Linz"

Friday, Nov. 13

8-9 CONCERT HALL  
Strauss: Till Eulenspiegel  
Tchaikovsky: 1812 Overture  
Beethoven: Moonlight Sonata  
9-10 STRICTLY FOR THE SAVOYARD  
Gilbert & Sullivan Show from Radcliffe  
(if they feel like it)

## Dorm Comm Budget

(Continued from page 1)

tees at the rate of \$2.25 per resident. Dormitory Weekend is allotted \$450 and the annual Christmas dance \$200. The appropriations for the various acquaintance dances total \$300.

Dorm Committee and the House Committees appropriated \$1664 for 979 copies of *The Tech*. Representatives of *The Tech* at the meeting offered to place copies in the mailboxes

## Continental Defense

(Continued from page 1)

between military men, who insist on offensive measures, and scientists, whose supposed guilt complex brought on by their part in the development of atomic weapons makes them avoid offense and concentrate on the false security of an ideal defense.

The cost of an adequate defense system will be great, but the cost of defense will be much less than the cost of no defense, the possibility of the destruction of our cities.

Certain promising developments are coming out of research being carried on by a variety of groups, such as Lincoln Laboratory, and by private concerns such as the Bell Telephone Laboratories. These results can not be expected to come through as originally conceived, but some useful answers are bound to emerge.

### Early Warning Required

The system that develops must fulfill certain requirements. It must give reliable early warning of an attack, without false alarms, hours before the attacking aircraft arrive. It must provide for harassment of attacking planes at long range, and it must include weapons of short-range interception concentrated around strategic targets. Such a system provides an economically feasible method of reasonable defense. The development of such a system requires the close cooperation of military and technical personnel.

The ultimate purpose of our effort is, of course, the prevention of war. It is felt that if the Communists know that they would have great difficulty in launching a successful attack on our cities, and that they would be subject to a devastating attack in return, they might be more willing to come to a peaceful understanding.

In the dormitories if the house committees would purchase sufficient copies for every member of the house. A loan to WMIT of \$450, the cost of the West Campus Darkroom and the costs of the Dormitory Leadership Conference make up the balance of the budget.

Also discussed at the meeting was the Dormitory Leadership Conference.

## Tennis Favorites Approach Finals; Fresh Look Good

The All-Tech Tennis Tournament neared completion as all four top-seeded players advanced to at least the quarter-final round. Leading the way was last year's freshman ace, Mike Tierney, who is being closely pressed by a trio of varsity lettermen. Tierney, by registering a hard-fought 11-9, 6-1, win over George Bowman '57 has set himself up as the tourney favorite.

Seeded players John Melavas '54, Dick Lane '54, and Bruce Backe '54, have all gained the quarter-finals with easy victories. The big surprise of the tourney, however, has been the great number of freshmen who have shown to good advantage. Coach Jack Summers has been so impressed by the excellent showing of the freshmen that he has cancelled the usual freshmen tourney. Summers expects such players as, Preston Durill '57, George Bowman '57, and Walt Nagel '57, to form the nucleus of an outstanding freshman squad this spring.

Should the pre-tourney predictions come to pass, Melavas will play Lane, and Tierney will cross rackets with Backe in the semi-final matches. The former match will pit the steady, hard-driving Melavas against Lane's big service. The Tierney-Backe battle should hinge on control of the net, as both boys sport excellent net games.

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## beaver barks

## Glove Fight Gives Chance For Break In Tech Life

By Joseph Kozol, '54

Saturday afternoon's Field Day competition was one of the few occasions of the year at which so many Techmen appear together in the form of an enthusiastic group. Even those who oppose the principle of the glove fight are forced to admit that here at Tech, anything that can produce such an enthusiastic turnout is indeed advantageous to the school and the student body alike. It seems to me that the large body of spectators did not arise because of the uniqueness of the glove fight alone but rather because of the contribution it makes to the promotion of interest in interclass competition.

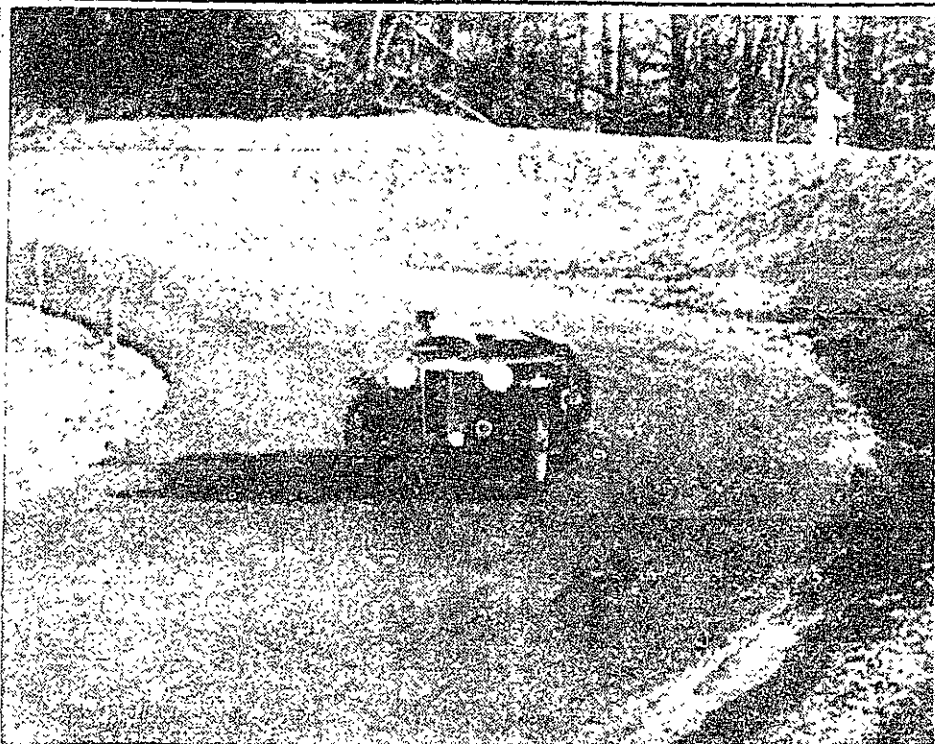
Tech is certainly not the only institution of higher learning with a student body composed of such a large percentage of intelligent, serious thinking young men. Students at other such colleges and universities take great pride in advancing the name of their school in other than professional circles. Whether we like to admit it or not, we are still in our youth and

should still take great interest in the opportunity to cooperate with our classmates in a test of group and individual ingenuity, aside from our routine pencil and paper activities. It is because of such response to a challenge that many girls come to Field Day to watch their boy friends take part in the glove fight to help establish the superiority of the freshman or sophomore class. Anyone who, at 21 years of age, thinks such spirit is beneath his dignity has missed an important part of his life. It is this type of pseudo-mature man who is seen along the sidelines at acquaintance dances because he can't find a girl interested in talking calculus.

## Provides Change of Tempo

The glove fight certainly provides a break in the school grind, being different from ordinary Tech activities. For those of us not skillful enough to take part in Field Day athletics, it is an opportunity to lend a hand to the spirit of class competition.

If such spirit can be demonstrated in other forms, why is it that we get such poor crowds at Tech athletic events? Most likely it is because of the aforementioned pseudo-mature in-



Karl Ludvigsen '56 rounding second curve at recent New England Sports car event.

## BEAVER SCOREBOARD

Soccer:  
M.I.T. 2, Brown 1  
Brown Frosh 3, M.I.T. Frosh 1  
Rugby:  
M.I.T. Rugby Club 14,  
New York Rugby Club 3  
Cross Country:  
M.I.T. 18, Boston College 45  
Brown Frosh 24, M.I.T. Frosh 31

dividualists at Tech who have never taken the opportunity to work and play together with others for other than material gains.

It is hoped that such individuals do not succeed in casting enough ridicule on the glove fight that it will be eventually done away with, for discontinuance of the glove fight will certainly decrease the interest in Field Day.

## Tech Autos Place In New England Sports Car Meet

The Motor Sports Enthusiasts' Club of M.I.T. played a leading role in organizing the fall road race meet of the Cooperating New England Sports Car Clubs, at Thompson Raceway, Conn., last Sunday. About seventy entrants from more than ten clubs participated, among them some of the most prominent of the eastern sports car drivers.

The M.S.E.C. was well represented in competition and made a laudable showing: Karl Ludvigsen '56, placed third in the first heat for stock M.G. cars, thus putting himself into the lineup for the final. In this he finished fifth, placing as second novice driver. He was robbed of a fourth overall place and of the trophy for best M.G. novice driver only by a spark plug lead that came loose, forcing him to make a pit stop in order to put it back on. Stefan Habsburg '55 drove his Volkswagen to a second place in the touring car class in the same race.

Driving in the race for modified sports cars under 1300 c.c. displacement, Austin Baer '54 placed fourth in a field which included such formidable cars as Rudkin's Bandini and Kern's Siata, and thereby earned the ribbon for best novice in his class.

Particular recognition for a game effort should be given to John Ffield '54 although he did not qualify for any award. He was the only novice driver in the main event, a 15-lap race for modified sports cars over 1300 c.c. displacement and unrestricted racing cars, in which he pitted his seventeen year-old B.M.W. against some of the hottest road racing cars in the country, including Koster's winning Maserati and Miller's C-type Jaguar. John drove well enough to lead one of the latest Porsche competition roadsters until the latter retired from the race.

About 600 feet of film was taken at the meet, which the MSEC hopes to show at their next meeting.

ference Meet at Durham, N. H. over Connecticut, Maine, New Hampshire, Rhode Island, and Vermont with a low score of 44 points.

Returning this year are six men who finished in the first seven in last fall's New England champs meet. They are Ed Shea, Northeastern; Jack Farquhar, M.I.T.; Alan Carlson, New

(Continued on page 5)

## Beaver Harriers May Triumph In NEIC3A Champs

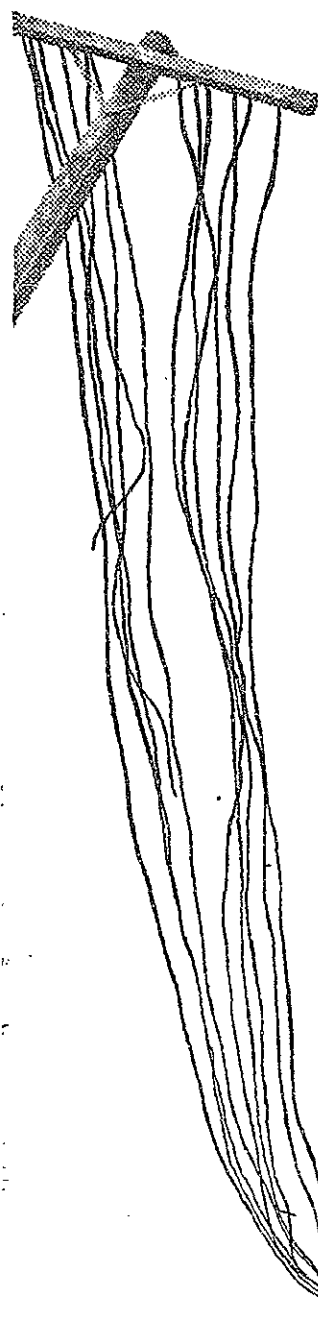
The New England Intercollegiate Freshman and Varsity cross-country championships meet will be held Monday afternoon next week at the Franklin Park course. The frosh start running over the three mile course at 1:15 p.m., while the varsity men start following the four mile course at 2:15 p.m.

The NEIC3A meet has a record of 41c continuous years of competition for the varsity race, and a stretch of twenty-four years of races for the freshmen. Last year, Rhode Island won the gold medals with a score of 86 points, M.I.T. placed second with a total of 114 points, Wesleyan placed third with 142 points, Vermont placed fourth, and B.U. placed fifth.

This 1953 varsity race will bring with it the best field in years since sixteen colleges have entered teams, making the number of starters approximately 112. Five teams have been outstanding during the dual meet season, which serves as preparation for this championship race. The teams which have been undefeated in dual meets are Northeastern, M.I.T., Providence College, Rhode Island, and the University of Massachusetts. U. of M. figures as a powerful contender for the New England title since the Mass. harriers won the Yankee Con-

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Gale winds ripped through Alabama and Georgia last spring, destroying 500 homes, leaving 2000 homeless, killing and injuring 382.

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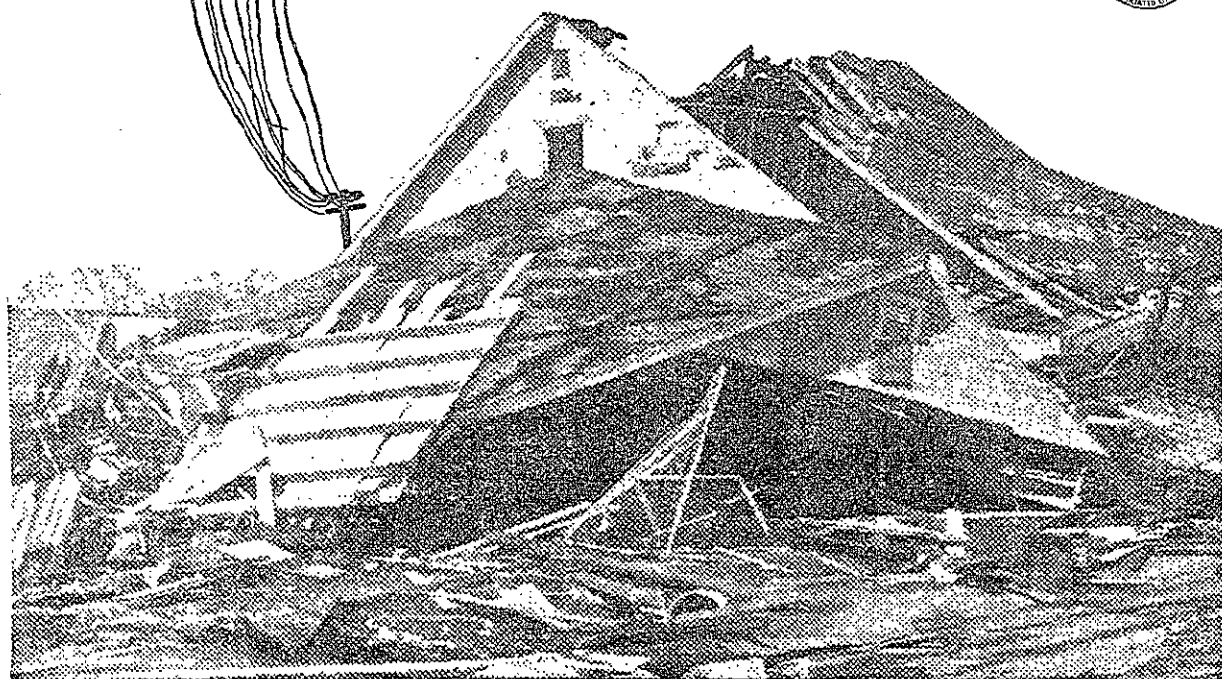
1. Engineering teams rushed to the stricken area. In hours, they determined material and men needed to restore service.
2. Based on these reports, equipment—as far off as Chicago and New York—began rolling toward the area.
3. Telephone crews arrived from as far away as Atlanta and Birmingham—engineering and accounting forces, construction, cable testing and repair teams.
4. Red Cross, hospital and other essential installations were rushed.
5. The public was informed of progress by daily newspaper and radio releases.

Result: in 3 days, Columbus, Georgia—which suffered 10 million dollars property damage—had half its out-of-order telephones working and Long Distance service nearly normal. In another 3 days substantially all service had been restored.

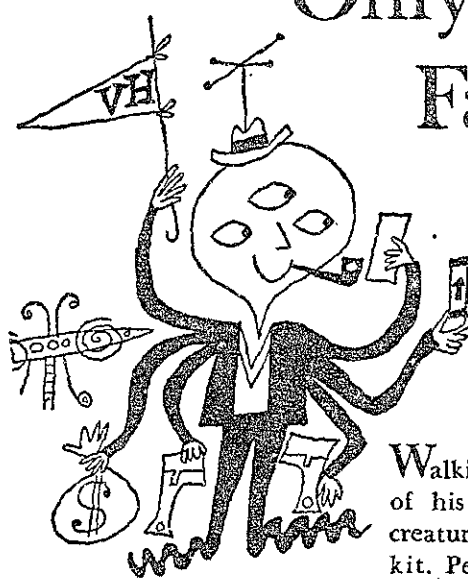
Planning and co-ordination among many telephone people with a variety of skills made this quick recovery possible. It illustrates vividly the teamwork typical of Bell System men and women.

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Walking away from the ruins of his flying saucer, the tiny creature opened his emergency kit. Peering into it with his middle eye, he beheld a stack of

greenbacks, packs of chewing gum, and a sheet of instructions which read: "In this kit you will find everything you need to live as a college student. All college men wear clothes and chew gum. Buy clothes, chew gum constantly...and good luck!"

Scratching his left antenna with his lower left hand, he tore off half of a five dollar bill, popped it into his mouth, and scuttled into a nearby college shop. "Let's see your finest shirt," he squeaked.

The trembling clerk handed him a Van Heusen Oxfordian. "Gleeks, that's really a mimsy!", screeched the little fellow, feeling the luxurious Oxford fabric. "How much is it?"

"Only \$4.50," quavered the clerk. "I have them in the smartest new colors...and white to boot. Plus roll collars, button-downs and new short collars."

"Only \$4.50? Fantastic!", piped the creature "I'll take one of each!"

Carefully he counted out twenty sticks of gum and laid them on the counter. "Keep the change," he chorled, putting the shirts under his middle arm. And munching merrily on a crisp ten dollar bill, he waddled out.



the bush leaguer

Dekes, Delts Reach Finals; Sigma Chi, Betas Also Win

By Paul Jay Goldin, '54

The individual league races come down to the wire this weekend as eight teams will battle for the right to enter the football playoffs. Last Sunday, Sigma Chi, Delta Kappa Epsilon, and Delta Tau Delta, won very close decisions, while Beta Theta Pi registered an easy win.

Sigma Chi showed itself to be a dangerous threat to Phi Gamma Delta when the Sigs scored a fourth-period touchdown to upend Phi Delta Theta, 16-13. Completely outplayed in the first half, Sigma Chi rallied on the strength of Norm Meyers' pinpoint passing. Taking to the air on every play, Meyers hit Hobie Kraner and Olaf Kirsten with scoring passes, the latter making a spectacular catch for the game-winning points. Ben Lightfoot and Jim Woodahl collected Phi Delta's points which just failed to be enough to pull the game out.

In a tense struggle, Delta Kappa Epsilon eked out a 6-0 victory over Phi Kappa Sigma. A tremendous defense led by tackle Ron Rock and linebacker Joe Carpenter kept the Sigs completely bottled up. The game-winning touchdown came with five minutes to go, as Ernie Hinck circled left end for the score. Up to this point, it looked like an overtime game was in prospect. Next Sunday, Deke will have its hands full with a smooth SAE eight.

Pete Dyke, the one-man team, led Delta Tau Delta to a hard fought 12-0 win over Theta Chi. Dyke registered both Delt touchdowns and intercepted no less than six Theta Chi passes. Delta Tau scored in the second and third periods, but a strong Theta Chi kept the decision in doubt until the final whistle had blown. Delta Tau must now defeat Kappa Sigma, a team which defeated them decisively two weeks ago.

In the only other contest, Beta Theta Pi romped over a discension-idden East Campus team. The Betas scored over four touchdowns on previously unscored upon East Campus, to win going away, 25-0. The fine passing of Ray Bowen to ends John Hirschi and Dick McLaughlin provided the scoring punch. Hirschi was a horn in East Campus's side all day, as he made several spectacular catches, and intercepted three passes. Beta must now defeat ATO twice to win the playoffs.

The Intramural Council interjected serious note yesterday, when they tried to sound out the houses and

dorms on the question of paid referees. The Council feels this will increase the pleasure teams derive from playing, and will greatly decrease the injuries now cropping up regularly.

Fifteen Chosen Frosh Riflemen; Outlook Excellent

Last Friday, Coach Yaeger announced the choices for the Freshman Rifle Team. Out of seventy-six applicants fifteen men were chosen. The men picked from the Class of '57 are: Sanford Cobb, Harry M. Johnson, Robert H. Borgwardt, George E. Bohl, Paul S. Birman, Robert P. Fugitt, Gerald Alport, Ronald E. Enstrom, William Naylor, Peter Orner, James Slattery, David E. Gillis, Paul H. Carr, James Pope, Fitz L. Rawls.

The team will meet the Harvard Freshmen for their first match of the year on November 28th. According to Coach Yaeger and Advisor Herb Voelcker, the Freshmen Team has great potentialities and it is believed they will have a successful season.

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Cross Country Prospects

(Continued from page 4)

Hampshire; Harrison Aldrich, U. of Mass.; Henry Trembley, R.I.; and Chris Lohner, Providence College. Coming up from the frosh group of 1953 are several sophs who are showing real running ability. The winner of the yearling race, Paul Hanson of Maine, Dave Ryan of Northeastern, Stan Farrow of Maine, and Charles Dyson of Connecticut, have all done very well this season.

Running against these men and teams, Tech will have a very strong team. The varsity Beaver harriers have won over Tufts, Brown, Holy Cross, New Hampshire, and Boston College. From last year's NEICSA team Tech will have back Jack Farquhar (third place), Hugh Nutley (thirtieth place), Larry Berman (49th place), and two new men from the '52 frosh champs — Ray Smith (fifth place) and Dave Palamountain (18th place). Coach Oscar Hedlund has also developed some new boys to make the Tech harriers stronger and more balanced in the persons of Sture Bengtson, Ian Williams, and Harry Schriber. Jack Farquhar, harrier captain and a real leader, has won all of his races this fall, a fact which makes him a real contender for one of the first five places in next Monday's meet. Coach Hedlund says that if things break Tech's way, the varsity should be able to take first place in New England for the first time in many years.

Tech will also have a frosh team entered in the NEICSA's consisting of Captain Dave Vaughan, Bill McArthur, Pete Carberry, Andy Carlson,

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Intramural Group Meets To Discuss Better Officiating

On Tuesday, November 3rd, the second meeting of the Intramural Council took place. Ten members of the committee were present.

Three ideas concerning methods in which intramural football and basketball managers could obtain better referees were advanced. The first approach suggested that men interested in refereeing be given a written test on the rules of their particular sport. Only those passing this test would officiate at games. Various members thought, that taking a test would discourage many potentially good referees. Good officiating on paper, some claimed, did not necessarily prove good officiating on the playing field, where making a decision rather than knowing that a decision should have been made plays the greater role.

Next, it was suggested that the teams providing referees under the present system be held responsible for the officials they provide. By making a proven mistake in a game, a referee would cause his team to be penalized in some manner or other. Two extra officials might have to be furnished

James Pearson, James Schubert, and Bob Berg, and although this team is not quite up to the 1952 team which won this race collecting the championship trophy, every man will be doing his best to win.

in later games. This whole suggestion immediately met with almost unanimous objections. Even the best referees make mistakes. Other members contended that this method might cause some officials to call infractions very sparingly, a trait definitely harmful to competent refereeing.

Paid Referees Suggested

Finally, the idea to pay all referees a certain nominal fee per game, and that these referees be selected by the respective managers was voiced. Every football team would pay an entrance fee of approximately four dollars. All teams not eliminated after the first three games would then be subject to an additional charge per game. In basketball, all squads would be taxed seven to eight dollars entrance fee per intramural season. Objection came only to one point, namely the entrance charge for football teams. One member argued in favor of a standard fee. Winning, he claimed, should never be a financial burden on a squad.

The Committee agreed to circulate questionnaires to all teams, asking for their comments and ideas.

DormComm Meeting

(Continued from page 2)

The East Campus House Committee also accepted the resignation of D. Paul Foote, Actions Committee Chairman. The position will be filled in the near future by a candidate elected by the House Committee. All East Campus residents interested in the post have been urged to contact Gerald S. Golden '54, East Campus House Committee Secretary, or any other member of the East Campus House Committee.

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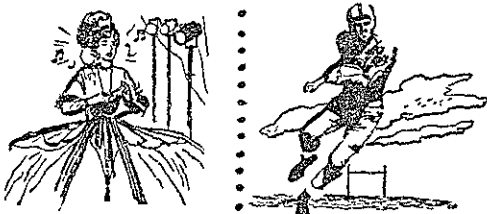
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# November WGBH Schedule

## SUNDAY

3:30 University of Chicago Round Table (NAEB-NBC).  
4:00 Two Hundred Years of Chamber Music. Claudio Spies, Harvard.  
5:00 Theatre Seminar. Maurice Evans (Nov. 1), Margaret Webster (Nov. 8), Howard Lindsay (Nov. 15), Sidney Kingsley (Nov. 22). (WNYC).  
5:30 Roger Williams and the Tradition of Freedom. Perry Miller, Harvard (Nov. 29).  
5:45 (Harvard Summer School Lecture Series) 6:00 News. Backgrounds.  
6:30 I've Been Reading.  
7:00 National Gallery of Art Concert. National Gallery Orchestra, Richard Bales, conductor.  
7:15 Gretry, Mendelssohn, Haydn, Vaughan Williams (Nov. 1). Gryd, Mozart, Bales (Nov. 8).  
7:30 American University String Quartet. Evelyn Swarthout, pianist. Mozart, Harris, Dvorak (Nov. 15).  
7:45 Catholic University String Quartet. Emerson Myers, pianist. Schubert, Fine, Faure (Nov. 22).  
8:00 National Symphony Orchestra. Bach-Walton, Sibelius, Copland, Brahms (Nov. 29).  
8:15 (Continental FM Network-WGMS).  
8:30 Comedie Francaise. Le Cid. Commentary by William N. Locke, M.I.T. (Nov. 1).  
8:45 Tartuffe (Nov. 29). (Radiodiffusion Francaise).  
9:00 BBC World Theatre. A Month in the Country (Nov. 8). The Seagull (Nov. 15). The Constant Wife (Nov. 22).  
9:30 News. Weather.

## MONDAY

3:30 News. Weather.  
3:35 The Contemporary Orient. Modern India, China and Japan—their mode of thinking, political ideas and relationship to current world problems. Elmer H. Cutts, Northeastern.  
4:30 BBC Concert Hall.  
5:30 Children's Circle. Nancy Harper, Nursery Training School of Boston, Tufts.  
6:00 Music. Haydn String Quartets.  
6:30 This Week at the Museum of Fine Arts. Masterpieces of Japanese Art.  
6:45 Tell You a Story. Donald Born, Boston University.  
7:00 News. Louis M. Lyons, Nieman Foundation, Harvard.  
7:15 Backgrounds.  
7:30 The Mineral World. A study of the physical and chemical properties of minerals. C. Wroe Wolfe, Boston University. (Commission on Extension Courses).  
8:30 On Music. Opera. Boris Goldovsky (Nov. 2, 9, 16). Clarinet in Brahms' Chamber Music. Rosario Mazzeo (Nov. 23, 30). (New England Conservatory of Music).  
9:00 Ways of Mankind. A dramatized anthropological and sociological study of law and justice. (NAEB-FAE).  
9:30 Our Search for Mental Health. Discussions of Adlerian analysis, the contribution of Jung, the theory of interpersonal relationships, Horney analysis and relationship therapies.

## TUESDAY

(NAEB-Cooper Union Forum).  
News. Louis M. Lyons, Harvard (Rebroadcast). Weather.  
3:30 News. Weather.  
3:35 Phonétique Francaise. Discussion and conversation in French to develop a correct pronunciation through a study of phonetics. William N. Locke, M.I.T. (Commission on Extension Courses).  
4:30 Music of the Baroque. Allen Sapp, Harvard. Claudio Monteverdi (Nov. 3), Giralamo Frescobaldi (Nov. 10), Heinrich Schuetz (Nov. 17), Dietrich Buxtehude (Nov. 24).  
5:30 Children's Circle. Nancy Harper, Nursery Training School of Boston, Tufts.  
6:00 Music. Bartok Chamber Music.  
6:30 Voices of Europe. (NAEB-FAE).  
7:00 News. Louis M. Lyons, Nieman Foundation, Harvard.  
7:15 Review of the British Weeklies. (BBC).  
7:30 Forms of the Modern Novel. A critical study of important English, American and European novelists from 1860 to the present. Albert J. Guerard, Harvard. (Commission on Extension Courses).  
8:30 Delinquency in Mass Action. William A. MacCormick, Northeastern, and guest lecturer. Is Crime a Characteristic of American Society? (Nov. 3). Teen-Agers in Turmoil—Why? (Nov. 10). Have We Betrayed Our Children? (Nov. 17). When Does a Juvenile Become a Delinquent? (Nov. 24).  
9:30 The Lively Arts. Gilbert Seldes. (WNYC). News. Louis M. Lyons, Harvard. (Rebroadcast). Weather.

## WEDNESDAY

3:30 News. Weather.  
3:35 English composition. How to write clearly and interestingly about people, places, episodes, facts and ideas. Genevieve B. Birk, Tufts. (Commission on Extension Courses).  
4:30 Music of the Ballet. Prokofiev. Baird Hastings. Chout (Nov. 4), Ro meo and Juliet (Nov. 11), Lieutenant Kije (Nov. 18), Cinderella (Nov. 25).  
5:30 Children's Circle. Nancy Harper, Nursery Training School of Boston, Tufts.  
6:00 Music. Vivaldi Concert Grossi.  
6:30 Ways of Mankind. A dramatized anthropological and sociological study of law and justice. (Rebroadcast). (NAEB-FAE).  
7:00 News. Louis M. Lyons, Nieman Foundation, Harvard.  
7:15 Backgrounds.  
7:30 The Conduct and Control of Foreign Policy. A consideration of the role of foreign policy in international affairs and the process by which it is formulated and implemented. Daniel S. Cheever, Harvard. (Commission on Extension Courses).  
8:30 The Poet Speaks. Dylan Thomas (Nov. 4). (M.I.T. Lecture).  
8:45 Art and the Development of Human Consciousness. Sir Herbert Read. The Vital Image (Nov. 11), The Discovery of Beauty (Nov. 18), Symbols for the Unknown (Nov. 25). (Harvard Charles Eliot Norton Lectures).  
9:30 News. Louis M. Lyons, Harvard. (Rebroadcast). Weather.

## THURSDAY

3:30 News. Weather.  
3:35 The Contemporary Orient. Modern India, China and Japan—their mode of thinking, political ideas and relationship to current world problems. Elmer H. Cutts, Northeastern.  
4:30 Tomorrow's Symphony. G. Wallace Woodworth, Harvard.  
5:30 Children's Circle. Nancy Harper, Nursery Training School of Boston, Tufts.  
6:00 Music. Bach. The Well-Tempered Clavichord.  
6:30 The Lively Arts. Gilbert Seldes. (Rebroadcast). (WNYC).  
7:00 News. Louis M. Lyons, Nieman Foundation, Harvard.  
7:15 Why the Weather? Charles F. Brooks, Harvard.  
7:30 The Mineral World. A study of the physical and chemical properties of minerals. C. Wroe Wolfe, Boston University. (Commission on Extension Courses).  
8:30 New England Conservatory of Music. Recital. Roland Nadeau, pianist; Elwyn Adams, violinist; John Hornor, baritone (Nov. 5).  
9:00 Conservatory Orchestra. Richard Burgin, conductor (Nov. 12).  
9:15 Recital. Elizabeth Gill, Lloyd Gold, Katie Clare Roes, pianists; Anthony Fulginiti, clarinetist (Nov. 19).  
9:30 Recital. McHenry Boatwright, baritone; Adrian Crane, pianist (Nov. 26).  
News. Louis M. Lyons, Harvard. (Rebroadcast). Weather.

## FRIDAY

2:10 Boston Symphony Orchestra. Charles Munch, music director; Sibelius, Madetoja, Klamt, Helsinki Chorus, Martti Turunen, conductor (Nov. 6). Haydn, Bartok, Tchaikovsky. Ferenc Fricay, conductor (Nov. 13). Berlioz, Wagner, Margaret Harshaw, soprano (Nov. 20). Balakireff, Rachmaninoff, Prokofiev, Zdel Skolovsky, pianist (Nov. 27).  
4:30 The Arts in America to 1865. The arts considered in the context of historical and cultural developments. Richard B. K. McLanathan, Museum of Fine Arts. (Commission on Extension Courses).  
5:30 Children's Circle. Nancy Harper, Nursery Training School of Boston, Tufts.  
6:00 The Evolution of Jazz. Nat Hentoff, Northeastern.  
7:00 News. Louis M. Lyons, Nieman Foundation, Harvard.  
7:15 Backgrounds.  
7:30 Tomorrow's Symphony. G. Wallace Woodworth, Harvard. (Rebroadcast).  
8:30 Library of Congress Concerts. Budapest String Quartet. Haydn, Bartok, Borodin (Nov. 6). Budapest String Quartet. Mozart, Foss, Beethoven (Nov. 13). Bel Arte Trio (Nov. 20). Quartetto Italiano. Haydn, Busoni, Schubert (Nov. 27). (Continental FM Network-WGMS).  
9:30 Invitation to Learning. (CBS-WEEL).

## Dr. Carmichael Lectures

(Continued from page 1)

Little, in whose honor the lectureship was founded."

### Covered Many Fields

As a psychologist interested in applying the methods of his science to the problems of behavior, Dr. Carmichael has directed his talents over a wide range of investigation and endeavor. He was born in Philadelphia and attended the Germantown Friends School in that city. His undergraduate training in biology was at Tufts College, to which he returned as president in 1938 after serving for two

## SATURDAY

News. Louis M. Lyons, Harvard. (Rebroadcast). Weather.  
3:30 News. Weather.  
3:35 New England Economic Trends. An examination of the structure and behaviour of the New England economy as compared with other regions of the United States. Everett J. Burt, Jr., Boston University. (Commission on Extension Courses).  
4:30 Tonight's Symphony. G. Wallace Woodworth, Harvard. (Rebroadcast).  
5:30 Our Mutual Friend. A serial dramatization of Charles Dickens' novel. (BBC).  
6:00 News. Weather.  
6:15 Review of the Canadian Press. (CBC-WNYC).  
6:30 Masterworks from France. Saint-Saens (Nov. 7); Hahn (Nov. 14); Dutilleul (Nov. 21); Dufay (Nov. 28). (Radiodiffusion Francaise).  
7:00 The World and the West. Arnold Toynbee, University of London. (BBC).  
7:30 Introduction to the Civilization of the Middle East. A study of the peoples, languages and cultures of the Middle East, both historical and contemporary. Richard N. Frye, Harvard. (Commission on Extension Courses).  
8:30 Boston Symphony Orchestra. Charles Munch, music director. (Broadcast begins at 8:25 p.m.). Sibelius, Madetoja, Klamt, Helsinki Chorus, Martti Turunen, conductor (Nov. 7).  
9:00 Haydn, Bartok, Tchaikovsky. Ferenc Fricay, conductor (Nov. 14).  
9:15 Berlioz, Honegger, Wagner. Margaret Harshaw, soprano (Nov. 21).  
9:30 Balakireff, Rachmaninoff, Prokofiev. Zdel Skolovsky, pianist (Nov. 28).  
News. Weather.

years as Dean of the Faculty of the University of Rochester. He became Secretary of the Smithsonian Institution on January 1 of this year.

As a graduate biology student at Tufts College, Dr. Carmichael became interested in the physiology of the sense organs. This study led him to psychology, and to graduate work at Harvard University where he obtained the degree of Doctor of Philosophy in 1924. After a year in Germany as a Sheldon Traveling Fellow he joined the Department of Psychology at Princeton University. This appointment was followed by his election to the chairmanship of the Department of Psychology at Brown University.

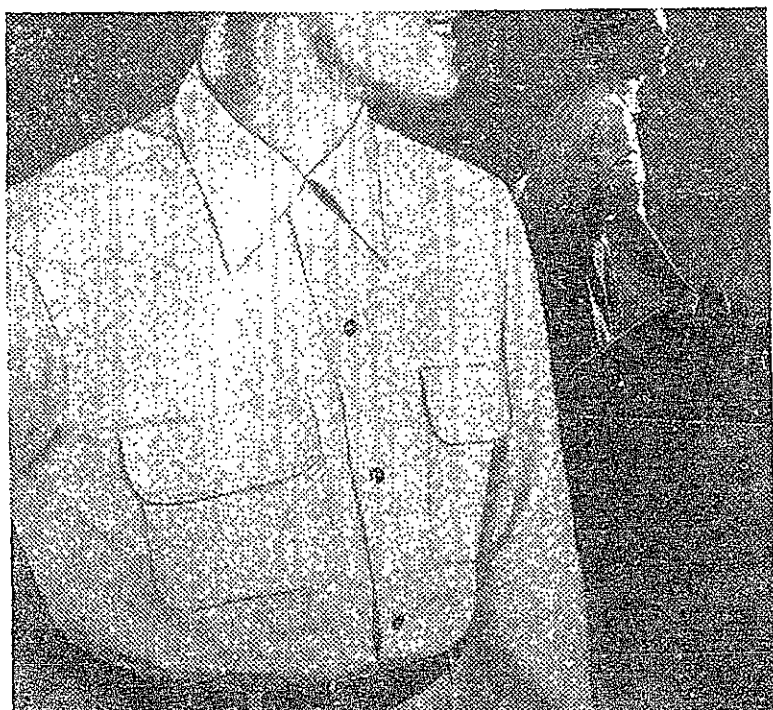
During World War II, Dr. Carmichael was director of the National Roster of Scientific and Specialized Personnel, the catalog of America's scientists and specialists.

### Dr. Little Widely Known

Dr. Little, in whose honor the Arthur Dehon Little Lectureship was established, was most widely known as an outstanding pioneer in the application of science to industry. In 1905 his long interest in providing for the education and training of young men in chemical technology led to the inauguration of the Research Laboratory of Applied Chemistry at M.I.T. The Institute's Chemical Engineering Practice School owes its inception to Dr. Little, and his untiring efforts as a Visiting Committee Member of the Chemistry and Chemical Engineering Departments made possible the Eastman Research Laboratories for graduate studies in Chemistry and Physics.

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## Definition of "real beer"

real beer (rē'al bīr, rēl bīr) *adj. & n.* 1. A brew that is light, but not too light . . . dry, but not too dry . . . just right for modern tastes. 2. Beer that hasn't lost any of the flavor, bouquet and other basic qualities that add up to true beer character. 3. Beer brewed of choice ingredients—brewed skillfully and honestly to be completely satisfying, completely refreshing—Syn. SCHAEFER.

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